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Electronically Commutated (EC) fans offer energy and cost savings in AC applications...

Orion Fans Expands EC Fans Family For Power-Hungry Applications

Orion Fans has expanded its family of Electronically Commutated (EC) fans to include 11 new fan models to meet a wide range of AC application requirements. Offering more design freedom, the enhanced product offering features 7 new frame sizes with CFMs ranging from 39 CFM to 220 CFM.

EC fans offer a low power, energy-saving cooling solution for AC applications. By maintaining the same interface between the fan and equipment, EC fans can be used as drop-in replacements for equivalent-sized AC fans. The AC input fans utilize a brushless DC motor and incorporate voltage transformation within the motor for significantly lower power consumption. This equates to power savings of up to 50%, enabling customers to meet energy-consumption requirements from agencies like ENERGY STAR.

Orion Fans' expanded offering now includes 60mm, 80mm, 92mm, 120mm, 172mm, 250mm and 254mm models. EC fans are ideal for a broad range of applications including oil and gas, appliances, commercial and process control, refrigeration, HVAC, electronic enclosures and cabinets

For water-proof and harsh environment applications, IP68-ATEX Series EC fans are available in 60mm, 120mm, 172mm and 254mm versions. These IP68-ATEX fans are designed for use in Zone 2 equipment involving explosive atmospheres or flammable gases, which require a spark proof fan design.

Most EC fans are available with a universal voltage range and the 250mm fans

are available with dual speed functionality (1400RPM and 2200 RPM) in 115V and 230V versions with airflow values of 300 CFM and 480 CFM respectively. For custom requirements, the OA200EC can have the speed control limits programmed at the factory to deliver even more power savings.

"Replacing existing AC fans with advanced energy-efficient EC Fans results in a substantial reduction in energy usage and operation cost," said David Luna, VP of Marketing for Orion Fans. "A drop-in replacement for AC fans, EC fans offer a longer service life due to lower operating temperatures and less heat loss."

Already used in electronic cabinets, air-conditioners, refrigerators, chillers, range hoods, ventilation systems and more, EC fans start at \$26.00 in small quantities.

For more information on Orion's EC Series fans, go to
<https://orionfans.com/group.php?name=EC%20Fans&k=3>

About Orion Fans

Contact an authorized Orion distributor; or contact Orion Fans at 10557 Metric Dr., Dallas, TX, 75243; call 800-323-2439, e-mail at dluna@orionfans.com. Orion Fans, a division of Knight Electronics, Inc. is an ISO9001/20015 global manufacturer of standard and custom AC and DC fans, fan accessories, fan trays, and blowers. Established in 1995, Orion Fans supplies quality engineered and competitively priced cooling products and assemblies to OEMs worldwide. The company has engineering and manufacturing facilities in the United States, Europe, and Asia.